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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/785,129

02/24/2004

Amar Ghori

1300-SW-C2

1665

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7590

09/14/2006

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EXAMINER

SORRELL, ERON J

ART UNIT

PAPER NUMBER

2182

DATE MAILED: 09/14/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/785,129

Applicant(s)

GHORI ET AL.

Examiner

Eron J. Sorrell

Art Unit

2182

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 57-76 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 57-76 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 24 February 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____.  |

DETAILED ACTION

*Claim Rejections - 35 USC § 112*

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claims 57-66 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

3. Claim 57 recites the limitation "by another transceiver of a computer" in line 5 of the claim. There is insufficient antecedent basis for this limitation in the claim because it seems to suggest the computer has more than one transceiver, however this is not established in the claims. The Examiner suggests amending the claim to recite, "by a transceiver of a computer."

Art Unit: 2182

*Claim Rejections - 35 USC § 102*

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 57-59,61,63-69,71, and 73-76 are rejected under 35 U.S.C. 102(e) as being anticipated by Hare et al. (U.S. Patent No. 6,084,638 hereinafter "Hare").

6. Referring to method claim 57 and apparatus claim 67, Hare teaches a method and appliance unit (item 4, figure 1) for receiving through a digital wireless link (see link connecting transceivers 12 and 14) and processing digital signals from a computer (item 2, figure 1), comprising:

an input/output control unit (see item 40 in figure 1a, although item 40 is illustrated as being part of the computer interface unit, Hare discloses it can be located in the appliance (see lines 26-40 of column 4)); and

Art Unit: 2182

a transceiver coupled to the input/output control unit (item 14, figure 1); and

wherein the transceiver receives digital data from a computer through a digital wireless link (see lines 28-39 of column 6); and

wherein the input/output control unit transforms the digital data into information that is in a format capable of presentation by the appliance unit (see lines 26-40 of column 4).

7. Referring to method claim 58 and apparatus claim 68, Hare teaches displaying, by the appliance unit, display images based on the information (see lines 28-39 of column 6).

8. Referring to method 59 and apparatus claim 69, Hare teaches transmitting and receiving steps further comprise transmitting and receiving the digital data through a spread spectrum link (see lines 53-67 of column 9).

9. Referring to method claim 61, and apparatus claim 71, Hare teaches wherein the transmitting and receiving steps further comprise: transmitting and receiving the digital data through a

Art Unit: 2182

digital radio frequency ("RF") link (see lines 53-67 of column 9).

10. Referring to method claim 63 and apparatus claim 73, Hare teaches the transmitting and receiving steps further comprise transmitting and receiving the digital data through a multi-media link (see lines 53-67 of column 9, note the communication link is configured to transmit multimedia data).

11. Referring to method claim 64, and apparatus claim 74, Hare teaches the digital data are commands of the computer and further comprising forwarding the commands to the input/output control unit; and processing the commands, by the input/output control unit, to tailor the display images specifically for the appliance unit (see lines 46-54 of column 10).

12. Referring to method claim 65, and apparatus claim 75, Hare teaches the appliance unit is a television and the format is a television format (see lines 46-54 of column 10).

13. Referring to method claim 66, and apparatus claim 76, Hare teaches the appliance unit is audio-visual equipment and the

Art Unit: 2182

format is an audio-visual format for the audio-visual equipment  
(see lines 46-54 of column 10).

*Claim Rejections - 35 USC § 103*

14. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

15. Claims 60, 62, 70, and 72 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hare in view of Hwang (U.S. Patent No. 6,049,823).

16. Referring to method claims 60 and 62, and apparatus claims 70 and 72, Hare fails to teach transmitting and receiving steps further comprises transmitting and receiving the digital data through an isochronous link or transmitting and receiving the digital data through a real-time link.

Hwang teaches in an analogous system, transmitting digital data through an isochronous link, which supports real time transfers (see lines 31-36 of column 4, note applicant defines a

Art Unit: 2182

real-time link as a isochronous link at paragraph 63 of the instant application).

It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to modify the system and method of Hare with the above teachings of Hwang. One of ordinary skill would have been motivated to make such modification in order to prevent transmitting distorted video as suggested by Hwang (see lines 31-36 of column 4).

#### *Conclusion*

17. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The following US Patent is cited to further show the state of the art at the time of the applicant's invention:

U.S. Patent No. 5,805,806 to McArthur teaches computers interfaced to appliances.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eron J. Sorrell whose telephone number is 571 272-4160. The examiner can normally be reached on Monday-Friday 8:00AM - 4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Huynh can be reached on 571-272-4147. The fax phone number for the



Art Unit: 2182

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

EJS  
September 9, 2006



**KIM HUYNH**  
**SUPERVISORY PATENT EXAMINER**

7/12/06